Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/04/2017 11:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124874	-1	1.58	124749	1.54
Blue	F	SSC	125000	124471	-1	2.88	124818	2.62
Blue	E	FITC	23355	22692	-3	2.35	1010	10.45
Blue	D	PE	28848	28287	-2	1.89	1015	9.63
Blue	B	PerCP-Cy5-5	47791	46938	-2	3.28	1347	17.26
Blue	A	PE-Cy7	41358	41084	-1	4.94	633	35.83
Red	C	APC	51316	50585	-2	2.78	2910	9.27
Red	A	APC-Cy7	53225	52401	-2	2.83	1081	10.98
Violet	B	V450	14473	13876	-5	5.37	664	9.99
Violet	A	V500	59973	58512	-3	5.17	2585	7.55

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19826	5.31	611	13	N/A	N/A	Pass
Blue	F	SSC	61897	1.47	541	7	N/A	N/A	Pass
Blue	E	FITC	114	39.20	545	1	0.0198	155	Pass
Blue	D	PE	222	28.07	540	2	0.1617	212	Pass
Blue	B	PerCP-Cy5-5	211	44.48	631	1	0.0095	37	Pass
Blue	A	PE-Cy7	69	117.49	683	2	0.0116	11	Pass
Red	C	APC	341	27.36	592	-2	0.0215	94	Pass
Red	A	APC-Cy7	119	39.92	573	-3	0.0060	1763	Pass
Violet	B	V450	80	42.83	467	-4	0.0402	1629	Pass
Violet	A	V500	188	24.71	498	-3	0.0129	544	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.73	-31.37	0.90
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	17.09	13.27 - 19.91	N/A	N/A	31.37	31.76	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 16057

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments